

ABSTRACT:

In a Raman gain measuring method according to the invention, a CW (continuous wave) probe light is input into a Raman amplifying medium. A Raman pumping light being
5 binary-intensity-modulated at a modulation factor is generated. The Raman pumping light is input into the Raman amplifying medium. Two index values regarding to AC component and DC component are extracted from the probe light having propagated through the Raman amplifying medium. The Raman gain of the
10 Raman amplifying medium is determined from the two index values and the modulation factor.